

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1.-7. (cancelled)
8. (currently amended) A receiver for an angle-modulated optical signal having an associated light frequency and an associated bit rate, comprising:
 - an optical resonator tuned to the frequency of the optical signal and to a storage time of approximately half of one bit duration;
 - an optical coupling-out device preceding the optical resonator and designed for injecting the optical signal into the optical resonator and for coupling out reflected light from the optical resonator; and
 - an opto-electrical transducer receiving the reflected light and converting it into an amplitude-modulated electrical signal according to phase information of the optical signal.
9. (previously presented) The receiver according to Claim 8, wherein the optical resonator is a Fabry-Perot resonator.
10. (previously presented) The receiver according to Claim 8, wherein the optical coupling-out device comprises a circulator connected preceding the optical resonator and whose output is connected to the opto-electric transducer.
11. (previously presented) The receiver according to Claim 9, wherein the optical coupling-out device comprises a circulator connected preceding the optical resonator and whose output is connected to the opto-electric transducer.
12. (previously presented) The receiver according to Claim 8, wherein the optical coupling-out device comprises a polarization beam splitter with a following polarization plate so that

the angle-modulated optical signal and the reflected light have different polarizations which can be separated by the polarization beam splitter.

13. (previously presented) The receiver according to Claim 9, wherein the optical coupling-out device comprises a polarization beam splitter with a following polarization plate so that the angle-modulated optical signal and the reflected light have different polarizations which can be separated by the polarization beam splitter.

14. (currently amended) The receiver according to Claim 8, wherein a second opto-electric transducer is arranged downstream of the optical resonator receiving non-reflected light and outputting a complementary signal to increase the sensitivity of the receiver.

15. (canceled)

16. (canceled)

17. (canceled)

18. (previously presented) The receiver according to Claim 8, further comprising a coding for assigning a phase variation by the light reflected and as the case may be transmitted by the optical resonator.

19. (canceled)

20. (canceled)

21. (canceled)

22. (canceled)

23. (currently amended) A receiver for an angle-modulated optical signal having a light frequency, the receiver comprising:

an optical resonator fed by the angle-modulated optical signal;

an optical uncoupling mechanism arranged upstream of the optical resonator for light reflected from the optical resonator; and

an opto-electric converter arranged downstream of the optical uncoupling mechanism, wherein

the optical resonator has a resonance frequency adjusted to the angle-modulated optical signal associated with the light frequency for determining a phase information of the optical signal.

24. (previously presented) The receiver according to Claim 23, wherein the optical resonator is a Fabry-Perot resonator.

25. (previously presented) The receiver according to Claim 23, wherein the optical uncoupling mechanism comprises a circulator arranged upstream of the optical resonator, and wherein an output of the circulator is connected to the opto-electric converter.

26. (previously presented) The receiver according to Claim 23, wherein the optical uncoupling mechanism comprises a polarization beam splitter with a following polarization plate so that the angle-modulated optical signal and the reflected light have different polarizations which can be separated by the polarization beam splitter.

27. (previously presented) The receiver according to Claim 23, further comprising a second opto-electric converter arranged downstream of the optical resonator for increasing sensitivity.